

AMENDMENTS TO THE CLAIMS:

Claim 1. (Currently amended) An active-matrix addressed reflective ~~LCD~~ (liquid crystal display), which comprises:

- a first substrate that ~~(74) which~~ is transparent;;
 - a second substrate ~~(56);~~;
 - a lower insulation film ~~(60)~~ formed on said second substrate;;
 - a plurality of switching elements, ~~(84)~~ respectively provided for each pixel;;
 - an insulation layer ~~(66, 68)~~ having a surface irregularly configured;; and
 - a reflection film ~~(70)~~ formed on said insulation layer ~~film~~ and having an irregularly configured surface depending on the irregular surface of said insulation layer ~~film~~; and
 - a liquid crystal layer provided between said first substrate and said reflection film;
- characterized by:
- an upper electrode ~~(62)~~ being provided for each pixel and located in a region wherein said reflection film is provided, said upper electrode being electrically coupled to a source electrode of the switching element; and
 - a lower electrode ~~(58)~~ provided between said second substrate and said lower insulation film, said lower electrode forming a storage capacitance with said upper electrode.

Claim 2. (Currently amended) The active-matrix addressed reflective liquid crystal display ~~LCD~~ as claimed in claim 1, wherein the irregularly configured surface of said insulation layer ~~film~~ comprises:

a plurality of substantially linear projections; and
a plurality of recesses surrounded by the linear projections.

Claim 3. (Currently amended) The active-matrix addressed reflective liquid crystal display ~~LCD~~ as claimed in claim 1 ~~or 2~~, wherein the switching element of a given pixel comprises is a thin film transistor whose gate electrode is coupled to a gate line, and said lower insulation film ~~layer~~ functions as a gate insulation layer, and wherein said lower electrode is coupled to a gate line assigned to a pixel adjacent to said given pixel.

Claim 4. (Currently amended) The active-matrix addressed reflective liquid crystal display ~~LCD~~ as claimed in claim ~~any of claims 1 or 3~~, wherein said lower insulation film has no step on the surface thereof in a region wherein said reflection film is provided.

Claim 5. (Currently amended) The active-matrix addressed reflective liquid crystal display ~~LCD~~ as claimed in claim ~~any of claims 1 to 3~~, wherein said insulation layer comprises:
a first layer patterned by lithography so as to have the irregular configuration on the surface thereof; and
a second layer formed on said first layer such as to imitate the irregular surface of said first layer.

Claim 6. (Currently amended) The active-matrix addressed reflective liquid crystal display

~~LCD~~ as claimed in claim ~~any of claims 1 to 4~~, wherein said reflection film is electrically coupled to said upper electrode or ~~a said~~ source electrode of one of the plurality of switching elements via a contact hole provided in said insulation layer.

Claim 7. (Currently amended) The active-matrix addressed reflective liquid crystal display ~~LCD~~ as claimed in ~~any of claims 1 to 4~~, wherein said source electrode is electrically coupled to said reflection film.

Claim 8. (Canceled - Withdrawn) A method of fabricating an active-matrix addressed reflective LCD, comprising the steps of:

- (a) forming a reflection layer (62) on a substrate (56);
- (b) forming an insulation layer (66) on said reflection layer, after which said insulation layer is patterned by exposure so as to provide irregularity on the surface of said insulation layer; and
- (c) forming a reflection film (70) on said insulation film,
wherein said insulation layer is patterned with assist of light reflected by said reflection layer.

Claim 9. (Canceled - Withdrawn) The method as claimed in claim 8, wherein said reflection layer (62) is formed such that the surface thereof is flattened.

Claim 10. (Canceled - Withdrawn) The method as claimed in claim 8 or 9, wherein said reflection layer (62) is used as one of two electrodes of a storage capacitor developed in each pixel of said reflective LCD.

Claim 11. (Canceled - Withdrawn) The method as claimed in any of claims 8 to 10, wherein the step (b) comprises:

 patterning a first photoresist layer by exposure so as to form a predetermined irregularity on a surface of said first photoresist layer; and
 forming a second photoresist layer on the patterned first photoresist layer, thereby forming irregularity on a surface of said second photoresist layer.

Claim 12. (Canceled - Withdrawn) The method as claimed in any of claims 8 to 11, wherein the step (b) comprises:

 exposing a photoresist layer using at low intensity of exposing light so as to form a predetermined irregularity on said photoresist layer; and
 exposing said photoresist layer at high intensity of exposing light so as to form a contact hole.

Claim 13. (New) An active matrix addressed reflective liquid crystal display comprising:

 a first substrate;
 a lower electrode over the first substrate;

a lower insulation film over the lower electrode;
an upper electrode over the lower insulation film to form a storage capacitor with the lower electrode;
an insulation layer over the upper electrode and having an irregular surface;
a reflective electrode over the insulation layer and having an irregular surface that corresponds to the irregular surface of the insulation layer;
a switching element on the first substrate having a source electrode electrically coupled to the upper electrode;
a second substrate above the reflective electrode; and
liquid crystal material between the reflective electrode and the second substrate.

Claim 14. (New) The display of claim 13, wherein said insulation layer comprises a first insulation layer formed over the upper electrode and a second insulation layer formed over the first insulation layer.

Claim 15. (New) The display of claim 14, wherein the first insulation layer has an irregular surface and the second insulation layer has an irregular surface that corresponds to the irregular surface of the first insulation layer.

Claim 16. (New) The display of claim 13, further comprising a passivation film between the upper electrode and the insulation layer.

Claim 17. (New) The display of claim 13, wherein the irregular surface of the insulation layer comprises a plurality of substantially linear projections.

Claim 18. (New) The display of claim 13, further comprising a plurality of switching elements, wherein said switching element comprises one of said plurality of switching elements.

Claim 19. (New) The display of claim 18, further comprising a gate line and wherein one of the plurality of switching elements comprises a thin film transistor having a gate electrode coupled to the gate line.

Claim 20. (New) The display of claim 19, further comprising another gate line and wherein the lower electrode is coupled to the another gate line for an adjacent pixel.

Claim 21. (New) The display of claim 13, wherein the surface of the upper electrode is reflective.

Claim 22. (New) The display of claim 13, wherein the surface of the upper electrode is substantially flat.

Claim 23. (New) The display of claim 13, wherein said reflective electrode is connected to one of the upper electrode and a source electrode of a switching element through a contact hole

in the insulation layer.

Claim 24. (New) The display of claim 13, wherein the reflection film is electrically coupled to a source electrode of a switching element.